

Sub: Chemistry

Topic: GOC

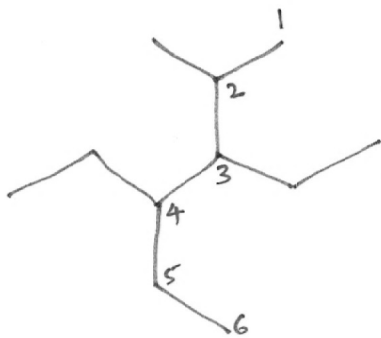
① c

All the carbons are sp hybridized

i.e. Triply bonded.

② a, b, d

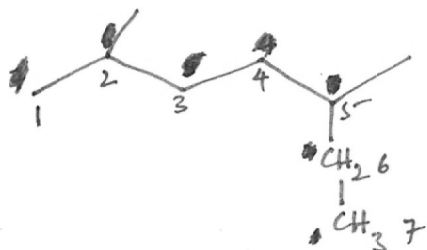
Choose the longest chain with max. no. of substituents as parent chain.



3 substituents present.

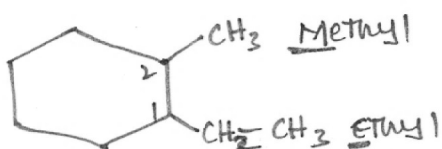
③ c

Choose the longest chain as parent chain for simple hydrocarbons



Give the numbering acc. to lowest locant rule.

④ a

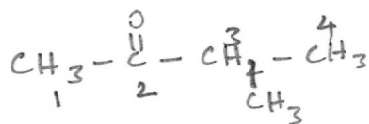


Give the numbering acc. alphabetical order, when the substituents are present at equivalent positions

5) a, b, d

correct IUPAC names.

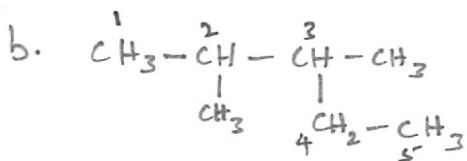
a. 3-methyl-2-butanone



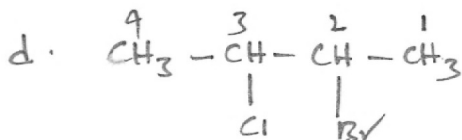
b, d

Principal functional group should get lowest possible number

~~b, d~~



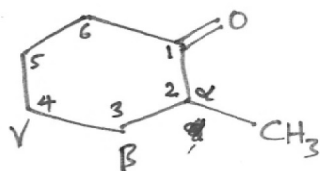
2,3-dimethylpentane



2-bromo-3-chloro-butane

go through the previous solutions

6) a, b



7) a, b, c, d

Conceptual

8) Conceptual

Section-II

Conceptual

conceptual

Section

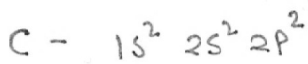
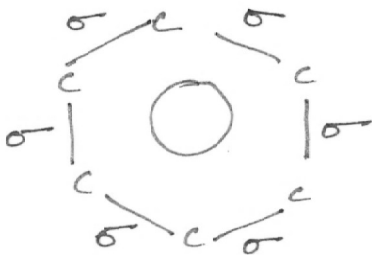
$C^{\oplus}$  carbocation  $\rightarrow$

6 electrons



SE

6



2:

